My Dear Professor Farlow:-

I hope that you will pardon the liberty that I have taken in the matter of amplifying your list of the Schottian algae, but I am anxious to have the "Plantae Schottianae" agree in style throughout, and have written out your determinations to save you that much time and trouble. The arrangement is that in Engler and Prantl, mit which, if you do not agree, please change or throw out my work on it entirely if you prefer, and I will ~~simply~~ publish the list just as you send it.

In making out this matter there have come up the following queries:

Dasya Helenae Farl. in Herb.

Yes I should consider the locality correct, as the plant is firmly attached to the label.

Will you please underscore the initial number on this list of all such species as appear in Harvey's list of Schotts Algae. (I have not this list) and add such species as do not appear in our list at all.

Where is Harvey's Herbarium?

Schmitz & Haupt. in Eng Pflanz
~~say th~~ place Cantioenas under
Chamium; and return Jania to
Corallina, do you agree?

The two genera on the last sheet
I cannot place in proper order
in the list

Should you desire any of the
specimens such as Rytiphlea
40896 & 40903 back again for
further consideration will you
please write to my assistant
O. E. Lansing Jr. at the Museum
he will send them in my absence.

If not more work than you desire
to expend upon this mss. would
you please add the more important
synonyms under doubly referred
species. I have not the literature.

Mark up the mss as you
please I shall have it typewritten
~~then~~ before sending it to the printer,
then submit the proofs to you. No
need of returning this until March 1st
With best regards I remain. Sincerely yrs
C. F. Millspaugh

CHLOROPHYCEAE

Ulvaceae

1. Ulva Lactuca (L.) Le Jolis.
   Yucatan, Progreso, June 1865 (F.C.M., 402-05).

Cladophoraceae

2. Cladophora fascicularis (Mert.) Kütz.
   Yucatan, Sisal, May 1865 (F.C.M.; 40582).

3. Cladophora lactivirens Harv.
   Yucatan, Sisal. May 1865 (F.C.M., 40253, 40256).

Bryopsidaceae

4. Bryopsis sp.
   Yucatan, Sisal, May 1865 (F.C.M., 40254) Specimen poor.

5. Bryopsis hypnoides Lamx.
   Yucatan, Sisal. May 1865 (F.C.M., 40257)

6. Bryopsis plumosa (Huds.) C. Ag.
   Yucatan, Sisal, May 1865 (F.C.M., 40255).

Caulerpaceae.

7. Caulerpa cupressoides (Vahl.) C. Ag.
   Yucatan, Isla Cestum, May 1865 (F.C.M., 40252)? The specimens under this number are undeveloped but probably this species, they represent Caulerpa simplex nom. nud.

8. Caulerpa paspaloides Wurdemannii W.v.B.
   Yucatan, Progreso, April 1865 (F.C.M., 40210, 40209) Sisal, May 1865 (F.C.M., 40208). These should be compared with C. phyllophaloïdes Murray in Trans. Linn. Soc. ser 2. 3: 212 pl. 53., f. 3-6, in which the pinnules are uniseriate, these are biseriate.

   Yucatan, Sisal, May 1865 (F.C.M., 40156, 40158); Progreso April 1865 (F.C.M., 40157).

9. Caulerpa pinnata Mexicana (Sond.) W.v. Bosse
   Yucatan, Sisal. (F.C.M., 40251). C. Mexicana Sond.

10. Caulerpa prolifera (Forskal) Lamx.
    Yucatan, Sisal May 1865 (F.C.M., 40207)

11. Caulerpa Ashmeadii Harv.
    Yucatan, Sisal, May 1865 (F.C.M., 40113).

Codiaceae

12. Penicillus capitatus Lamx.
Yucatan, Sisal November 1865 (F.C.M., 40575).

13. Halimeda Opuntia (L.) Lamx.
Corallina Opuntia L. Cuba, Havana 1864 (F.C.M., 41512).

14. Halimeda Tuna (Ell. & Sol.) Lamx.
Corallina Tuna Ell. & Sol. Yucatan, Sisal May and November 1865 (F.C.M., 40843, 40576, 40577, 40578). Colombia, Carthagena Nov. 1857 (F.C.M., 40891).

15. Codium tomentosum (Hds.) Stackh.
Spongodium dichotomum Lamx. Yucatan, Sisal Dec. 1864; Celestun May 1865 (F.C.M., 40114, 40691).

Valoniaceae

16. Siphonocladus membranaceus (C.Ag.) Bornet.
Yucatan, Sisal May 1865 (F.C.M., 40583).

Ectocarpaceae

17. Ectocarpus sp.
The label on the specimens reads "Ectocarpus octosporus", and, as Harvey had the determination of Schott's Colombian Algae in hand, this may be his naming However if described I cannot say where, and this material is so poor that it is hardly to be determined except in general. It seems to be near E. fasciculus and E. globifer. Colombia, Carthagena Nov. 1857 (F.C.M., 41192

Fucaceae PHAEOPHYCEAE

18. Sargassum Filipendula (C.Ag.) J.Ag.
Yucatan, Sisal May 1865 (F.C.M., 40250).
A form (S. furcatum Kg which is considered by Agardh to be a form of S. vulgare) is in the Schott collection from the Sea beach at the mouth of the Rio Bravo, Mex. Bound. (F.C.M., 41378).

Dictyotaceae

19. Padina Durvillaei Bory.
Yucatan, Celestun May 1865 (F.C.M., 40247).

20. Padina Pavonia (L.) Gaill.
Yucatan, Sisal May 1865 (F.C.M., 40248). Another specimen apparently this species is from Progreso May 1865 (F.C.M., 40249).

21. Dictyota cervicornis Kütz
Yucatan, Sisal May 1865 (F.C.M., 40245, 40246).

22. Dictyota ciliata J.Ag
Yucatan, Progreso April 1865 (F.C.M., 40226).

RHODOPHYCEAE

Chaetangiaceae

23. Galaxaura marginata (Soland.) Lamx.
Brachycladia marginata Soland. Cuba, Nuevana 1864 (F.C.M., 41513).

24. Galaxaura rugosa (Soland.) Lamx.
Brachycladia rugosa Soland. Cuba, Nuevana 1864 (F.C.M., 41514).

Gelidiaceae

25. Gelidium corneum caespitosum J.Ag.
G. pusillum (Stackh.) Le Jolis. Colombia, Cartagena on rocks at the tide line, November 1857 (F.C.M., 40895).

Gigartinaceae

26. Gigartina microphylla Hoarv.
California, Santa Barbara (F.C.M., 41196).

27. Gigartina leptorhyncos J.Ag
G. microphylla Harvey. California = ornia October 1854 (F.C.M., 44990).

28. Gigartina spinosa Kütz
California, Santa Barbara (F.C.M., 44998, 45000).

29. Gigartina volans J.Ag.
California, Santa Barbara (F.C.M., 45022)

30. Stenogramma interrupta (C.Ag.) Mont. California, Santa Barbara (F.C.M., 41579, 44996).

31. Gymnogongrus? sp. California, Santa Barbara, Oct. 1854 (F.C.M., 45021) Specimens sterile and imperfect.

32. Callophyllis furcata Farlow. California, Santa Barbara Oct. 1854 (F.C.M., 45010).

33. Callophyllis laciniata (Hords) Kütz? So called, it is however doubtful whether the Californian plant is really the same as the European species, it may really be only a variety of Callophyllis variegata (Bory) Kütz California, Santa Barbara Oct., 1854 (F.C.M., 45017).

34. Callophyllis rhyncocarpa Rupr. California, Santa Barbara Oct. 1854 (F.C.M., 45014).

35. Callophyllis variegata (Bory) Kütz California, Santa Barbara, Oct. 1854 (F.C.M., 45004, 45008).

36. Callophyllis sp. The following numbers from California, Santa Barbara, are too imperfect for specific identification. (F.C.M., 44994, 45005, 45015, 45016).

Rhodophyllidaceae

37. Agardhiella tenera (J.Ag.) Schmitz Rhabdonia tenera J.Ag. Gulf of Mexico, 1853 (F.C.M., 42623); Indianola Texas, growing on Polysiphonia collabens (F.C.M., 42602); Sea beach at the mouth of the Rio Bravo del Norte, November 1853 (F.C.M., 42611); A very robust form, sterile but doubtless this species. Gulf of Mexico (F.C.M., 42613); sterile specimens but not

the evident frond of this species at Colombia Carthagena, Nov. 1857 (F.C.M., 40927).

38. Solieria chordalis (C.Ag.) J.Ag. var. Harv. Colombia, Carthagena Nov. 1857 (F.C.M., 40936); Yucatan, Sisal May 1865 (F.C.M., 40688).

39. Eucheuma acanthocladum (Kütz.) J.Ag. Yucatan, Sisal May 1865 (F.C.M., 40342)

40. Eucheuma isiforme (C.Ag.) J.Ag. Yucatan, Progreso Apr 1865 (F.C.M., 40160, 40320); Sisal May (F.C.M., 40318, 40319, 40323, 40324, Nov. 40322, Dec. 40120). The smooth form of the species, E. nudum, Yucatan, Sisal Nov. & Dec 1864 (F.C.M., 40117, 40118, 40119, 40122).

41. Wurdemannia setacea Harv. Cuba, Havana Nov. 1864 (F.C.M., 41510).

Sphaerococcaceae

42. ~~Gracilaria cancellata J.Ag.~~ A slender form from Colombia, Carthagena Nov. 1857 (F.C.M., 40904).

43. Gracilaria caudata J.Ag. Colombia, Carthagena Nov. 1857 (F.C.M., 40919, 40935, 40920, 40909, 40921, 40913?)

44. Gracilaria cervicornis (Turn.) J.Ag. Cuba, Havana Nov. 1864 (F.C.M., 41505); Yucatan, Sisal May 1865 (F.C.M., 40339, 40340), Telestum May 1865 (F.C.M., 40328); Colombia, Carthagena Nov. 1857 (F.C.M., 40910); another specimen from the same locality (F.C.M., 40933) approaches G. ferox J.Ag.; another is labeled "Alsidium Schottii Harv. n.sp." (F.C.M., 40940) but this is a palpable error caused by labels being mixed in Schotts material.

45. Gracilaria compressa (C.Ag.) Grev. Gulf of Mexico 1853 (F.C.M., 42616); Colombia, Carthagena Nov. (F.C.M. 40939); Yucatan May 1865 (F.C.M., 40326, 40327, 40330, 40331, 40333, 40337.), A young and frag=

mentary specimen from Colombia, Carthagena Nov. 1857 (F.C.M., 40947) is also doubtless this species.

46. Gracillaria confervoides (L.) Grev.
Texas, Indianola Jan. to Feb. 1853 (F.C.M., 42609, 42610, 42612, 42614, 42615); Colombia, Carthagena Nov. 1857 (F.C.M., 40934); Yucatan, Sisal Dec. 1864 (F.C.M., 40121).

47. Gracilaria cornea J.Ag.
Yucatan, Sisal Nov. 1864 (F.C.M., 40124); Colombia, Carthagena Nov. 1857-8 (F.C.M., 40902 40905, 40907, 40914, 40916, 40923, 40924), I doubtfully place F.C.M., 40901 from the same locality under this species; there is a doubt as to whether the plant was originally terete or flat.

48. Gracilaria dentata J.Ag.
Cuba, Havana Nov. 1864 (F.C.M., 41508)

49. Gracilaria Domingensis Sond?
Colombia, Carthagena Nov. 1857 (F.C.M., 40911, 40912) These specimens correspond to the figure of this species in Kützing Tab. Phyc., I am inclined to believe however, that they are not specifically distinct from G. cervicornis (Turn.) J.Ag.

50. Gracilaria multipartita (Clem.) J.Ag.
California, Santa Barbara (F.C.M., 44991); Cuba, Havana Nov. 1864 (F.C.M., 41506, 41507); Colombia, Carthagena Nov. 1857 (F.C.M., 40917, 40918, 40949). Yucatan, Sisal Dec. 1865 (F.C.M., 40375.

51. —— var polycarpa (Grev.) J.Ag.
Colombia, Carthagena Nov. 1858 (F.C.M., 40913, 40915, II, 40922).

52. Gracilaria sp.
Growing on Cryptonemia luxurians on coral at Carthagena, Colombia Nov. 1857 (F.C.M., 40906). F.C.M., 40938 from this station is too poor in material for specific determination. Texas, Indianola 1853 (F.C.M., 42617) not specific.

Yucatan, Celestun (F.C.M., 40233), Progreso (F.C.M., 40329) & Sisal (F.C.M., 40344) are too fragmentary for identification as to species

53. Hypnea cornuta J.Ag.
Colombia, Carthagena Nov. 1857 (F.C.M., 40931, and mix doubt 40930).

54. Hypnea divaricata (Turn.) Grev.
California, Santa Barbara Oct. 1854 (F.C.M., 44997).

55. Hypnea musciformis (Wulf.) Lamx.
Colombia, Carthagena (F.C.M., 40929, 40951); Texas, Indianola Feby. 1854 (F.C.M. 42624); Yucatan, Progreso Apr. 1865 (F.C.M. 40334 in 40335); Sisal, May 1865 (F.C.M., 40125, 40126, 40336, 40343).

56. Hypnea pannosa J.Ag.
Colombia, Carthagena Nov. 1857 (F.C.M., 40937).

57. Hypnea spinella J.Ag. var
Colombia, Carthagena Nov. 1857 (F.C.M., 40932

(Do you wish to describe this?)

58. Hypnea sp.
California, Santa Barbara Oct 1854 fragments only (F.C.M., 45001, 45002); also Colombia, Carthagena (F.C.M., 40942, 40943.

Rhodymeniaceae

59. Rhodymenia corallina (Borg.) J.Ag.
California, Santa Barbara Oct. 1854 (F.C.M., 45009).

60. Rhodymenia sp.
Colombia, Carthagena Nov. 1857
A sterile form apparently near R palmata (Esp.) Grev. (F.C.M., 40893, 40593).

61. Lomentaria ovalis (Huds.) Endl
Colombia, Carthagena Nov. 1857 (F.C.M., 40952).

62. —— var Lomentari Harv.
California, Santa Barbara Oct. 1854. (F.C.M., 45003

Delesseriaceae

63. Nitophyllum Durvillaei (Bory) Grev.
California, Santa Barbara, Oct. 1854 (F.C.M., 45013

64. Nitophyllum laceratum (Gmel.) Grev.?
Colombia, Cartagena (F.C.M., 40941) fragmentary and doubtful.

65. Nitophyllum Ruprechtianum J.Ag.
California, Santa Barbara Oct. 1854 (F.C.M., 45006. 45011, 45026).

66. Nitophyllum violaceum J.Ag.
California, Santa Barbara Oct. 1854 (F.C.M., 45006, 45007. 45018), and on Lomentaria ovalis Lomentari from same locality (F.C.M., 45003).

67. Nitophyllum sp.
A specifically indeterminable fragment from California, Santa Barbara Oct 1854 (F.C.M., 45012).

68. Neuroglossum Andersonianum Jag.
California, Santa Barbara Oct. 1854 (F.C.M., 44989, 41528).

Rhodomelaceae

69. Laurencia cervicornis Harv.
Cuba, Havana Nov 1864 (F.C.M., 41511)

70. Laurencia obtusa (Hds) Lamx.
Yucatan, Progreso, Apr. 1865 (F.C.M., 40123, 40214 40227, 40228, 40229, 40230, 40231, 40689); a specimen from Yucatan, Sisal May 1865 F.C.M., 40232 is of a slender form approaching L. implicata J.Ag.

71. Laurencia paniculata (C.Ag.) Kütz.
Cuba, Havana Nov 1864 (F.C.M., 41509) Colombia, Cartagena (F.C.M., 40908), a fragment doubtless of this species from Mex. Boundary at mouth of

Rio Grande del Norte Nov. 1853 (F.C.M., 42677).

72. Laurencia papillosa (Forsk.) Grev.
Colombia, Cartagena Nov. 1858 (F.C.M., 40899).

73. Laurencia tuberculosa J.Ag.
Colombia, Cartagena Nov. 1858 (F.C.M., 40897, 40898).

74. Laurencia sp.
Colombia, Cartagena. a small fragment (F.C.M., 40929).

75. Chondria atropurpurea Harv.
Yucatan, Sisal May 1865 (F.C.M., 40926
Colombia, Cartagena (F.C.M., 40900).

76. Chondria midifica Harv.
California, Santa Barbara, Oct. 1857 (F.C.M., 40019).

77. Chondria tenuissima (Good. & Woodw.) C.Ag.
Yucatan, Progreso Apr 1864 (F.C.M., 40212).

78. Acanthophora Antillarum Mont?
This form described by Montagne in Kütz. Tab. Phyc., is probably not different from the next species
Colombia, beach near Boca Grande, Cartagena, Nov. 1857 (F.C.M., 40892).

79. Acanthophora Thierii Lamx.
Yucatan, Sisal May 1865 (F.C.M., 40364).

80. Digenea simplex (Wulf.) C.Ag.
Texas, Indianola June 1853 (F.C.M., 42600, 42601) Yucatan, Celestun May 1865 (F.C.M., 40260).

81. Polysiphonia Baileyi Harv.) J.Ag.
California, Santa Barbara, Oct. 1854 (F.C.M., 44995, 45074).

82. Polysiphonia collabens (Ag.) Kütz.
Texas, Indianola, (F.C.M., 42602). See note under Agardhiella tenera.

83. Polyaithonia ferulacea Fuhr.
Texas, Indianola 1855 (F.C.M., 42607).

84. Polyaithonia hirta Fab.
Texas, Indianola 1852 (F.C.M., ~~41943~~, 42606). Colombia, Cartagena (F.C.M., 41193

85. Polyaithonia vacciata (Right.) Grev.
California, Santa Barbara Co. 1954 (F.C.M., 44993).

86. Bryotamnion Seafortii (Turn.) Kütz.
Colombia, Cartagena Nov. 1857 (F.C.M., 40944). Cuba, Havana, Nov. 1864 (F.C.M., 41503). Yucatan, Progreso. April 1865 (F.C.M., 40301, 40302, 40303), Sisal May 1865 (F.C.M., 40295).

87. Bryotamnion triangulare (Gmel.) Kütz.
Colombia, Cartagena Nov. 1857 (F.C.M., 40945, 40946). Cuba, Havana Nov. 1864 (F.C.M., 41504). Yucatan, Progreso Apr 1865 (F.C.M., 40159) Celestun, May 1865 (F.C.M., 40687, 40298, 40299, 40300 the last three numbers are a slender form approaching B. Seafortii).

88. Rytiphloea
Colombia, Cartagena Nov. 1857 (F.C.M., 40896, 40903).

(Space for your decision on this)

89. Vidalia obtusiloba (b.Ag.) J.Ag.
Rytiphlaea obtusiloba b.Ag. Colombia Cartagena Nov. 1857 (F.C.M., 40900).

90. Dasya elegans (Mart.) C.Ag.
Texas, Indianola Jany. 1853 (F.C.M., 42608).

91. Dasya Hollenae Farlow
California, Harbour of San Diego Oct. 1874 (F.C.M., 45025).

92. Dasya ramosissima Harv.
Yucatan, Progreso Apr. 1865 (F.C.M., 40580) A form of the species.

Ceramiaceae

93. Spyridia aculeata J.Ag.
Yucatan, Sisal May 1865 (F.C.M., 40247) Celestun May 1865 (F.C.M., 40213).

94. Spyridia filamentosa (Wulf.) Harv.
California, Santa Barbara (F.C.M. 44998 ~~on Ligustrina spinosa~~), Colombia Cartagena Nov. 1857 (F.C.M., 40926). Yucatan, Progreso May 1865 (F.C.M., 40579).

95. Spyridia sp.
Mex. Boundary on sea beach at mouth of the Rio Bravo del Norte Nov. 1853. So covered with parasites as to be indeterminable (F.C.M., 42621).

96. Ceramium nitens b.Ag.
Colombia, Carthagena on shells (F.C.M., 40894).

97. Ceramium subtile J.Ag?
Yucatan, Progreso May 1865 (F.C.M., 40211, 40214, 40215, 40216, 40221, 40222, 40223, 40224, 40225) Sisal May 1865 (F.C.M., 40218, 40220). All of these specimens are far from approaching too near C. rubriforme Harv.

98. Ceramium tenuissimum Lyngb.
Texas, Indianola Jany-Feby 1853 (F.C.M., 42603, 42605, 42618, 42619, 42620). Yucatan, Sisal May 1865 (F.C.M., 40343).

99. Ceramium clavulatum (C.Ag.).
Texas, Indianola (F.C.M., 42604). California, Santa Barbara Oct 1854 (F.C.M., 44994) Colombia, Carthagena Nov. 1857 (F.C.M., 41191). Yucatan, Progreso, Apr. 1865 (F.C.M., 40217).

100. Microcladia californica Farl.
California, Santa Barbara (F.C.M., 41195).

101. Microcladia Coulteri Harv.
California, Santa Barbara Oct. 1854 (F.C.M., 44999).

Grateloupiaceae

102. Halymenia floresia (Clem) C.Ag.
Colombia, Carthagena Nov. 1857 (F.C.M., 40928).

103. Cryptonemia crenulata J.Ag.
Colombia, Carthagena Nov. 1857 (F.C.M., 40925, 40948).

104. Cryptonemia Lunuriana (Mert) J.Ag.
Colombia, Carthagena on corals Nov. 1857 (F.C.M., 40906)

Corallinaceae

105. Amphiroa Orbigniana Dec?
California, Santa Barbara (F.C.M., 45023) Specimen much broken.

106. Corallina Chilensis Dec. in Harv. Nor. Amer.
California, Santa Barbara (F.C.M., 45020)

107. Corallina Cubensis (Mont)
Jania Cubensis Mont. Colombia, Carthagena Nov. 1857 (F.C.M., 40925). Cuba, Havana Nov. 1864 (F.C.M., 41503). Yucatan, Sisal May 1864 (F.C.M. 40305).

108. Corallina rubens L.
Jania rubens Lamx. Yucatan, Progreso, Celestun and Sisal Apr-May. (F.C.M., 40306, 40260, 40305).

Inserenda

109? Haliseris dilicatula (Lamx.) Ag
Yucatan, Sisal Dec 1864 (F.C.III., 4056 H).

110? Ascothamnion intricatum Kütz
Yucatan, Celestun May 1865 (F.C.III., 4068 F).

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19 Cambridge
Nov. 22. 1898

Dear Prof. Millspaugh, I return with this package of Schott's algae by express. You will notice that the snow blockade we have had lately is now over so that all the trains are running. In the package I put a full list of all the specimens numbered in the order they were sent. With this I enclose a list of the species arranged systematically by localities.

I am unable to recognize among the specimens sent any which can be referred to Alsidium Schottii n. sp. Harv. The specimen marked with that name is certainly a mistake for it is not an Alsidium nor is it closely related to Alsidium. What was intended by Harvey under that name I cannot surmise unless perhaps it is some of the slender forms marked Alsidium (Bryopsis minor) Leafortii.

The Rytiphlaea marked n. sp. is represented by two specimens and the species is probably a good one. It comes, however, rather near Rytiphlaea Thuretii and I should not think it well to describe

it until I am able — as I expect soon to be — to compare with the type of R. Maedonaldi.

As is always the case in collections, made in the Gulf of Mexico, there is a large number of forms of Gracilaria, Laurencia and Hypnea, genera in which the species are not well defined and in which several too many species have been described. The same is true of the species of Callophyllis found on the Californian coast. In the case of the genera named, there will always be a difference of opinion as to the species among algologists.

I noticed that you are to leave soon for Yucatan and I therefore return the specimens which you sent the other day and the names of which I sent in my last letter. As I may be away some time and you also I thought that you would prefer to have the specimens at hand, I send the specimens with this by mail and not in the large package which goes by express.

I have kept a duplicate list of the species so that, when you return, if any information further is needed I can give it by consulting the list. As I write you, my handwriting is so bad that I do not wish to deface the specimens by writing on them. My list can easily be copied by some one who writes a better hand.

I hope to be in the West Indies for a time this winter but I do not know just when. Yours truly

W. G. Farlow.

Algae collected by Arthur Schott. 1
Sent by Prof. Millspaugh from Field 19
Columbian Museum. in 1898.

I

Yucatan algae. Coll 1864, 1865.

Chlorophyceae

Ulva Lactuca (L.) Le Jolis Progreso
Enteromorpha sp. not in good condition
Fresh-water Merida.
Cladophora laetevirens Harv Lesâl.
" fascicularis (Mert.) Kütz Lesâl
Lithoclados membranaceus (C. Ag.) Bornet. Lisâl
Ascothamnion intricatum Kütz. Celestun
Bryopsis plumosa (Huds.) C. Ag Lesâl.
Bryopsis hypnoides Lam. x var. ff. Lisâl
Caulerpa Ashmeadii Harv Lisâl
Caulerpa cupressoides (Vahl) C. Ag Lisâl
Caulerpa paspaloides (Bory) Harv. (Progreso
var. Wurdemannii Weber van Bosse, Lisâl.
Caulerpa pinnata (L.) Weber van Bosse
var. Mexicana Weber van Bosse Lisâl
= Caulerpa Mexicana Sond.
Caulerpa prolifera (Forsk.) Lam. x

Caulerpa simplex-nom. nudum = immersa
form of Caulerpa cupressoides (Vahl) C. Ag.?
Codium tomentosum (Huds.) Stack. Celestun
Penicillus capitatus Lamarck Lisal
Halimeda Tuna Lamx Lisal.

Phaeophyceae

Dictyota cervicornis Kütz.? Lisal
Dictyota ciliata J. Ag. Progresso.
Padina haroniæ (L.) Gaillon. Progresso
" Durvillaei Bory. Celestun
Halisoris delicatula (Lamx) J. Ag. Lisal
Sargassum filipendula (C. Ag.) J. Ag. Lisal.

Rhodophyceae

Solieria chordalis (C. Ag.) not of Harvey Lisal
nec. am. Bor.
Eucheuma acanthocladium (Harv.) J. Ag. Lisal.
Eucheuma isiforme (C. Ag.) J. Ag. Progresso.
Gracilaria cervicornis (Turn.) J. Ag Celestun.
" compressa (C. Ag.) Grev. Lisal, Progresso
" multipartita (Clem.) J. Ag. Lisal
Hypnea musciformis (Wulf.) Lamarck Lisal. Progresso.
Laurencia obtusa (Huds.) Lamx. Progresso.

Chondria atropurpurea Harv. Lisal
" tenuissima (Good. & Wood.) C. Ag.? Lisal
acanthophora Thierii Lamx Lisal
Digenea simplex (Wulf.) C. Ag. Lisal
Bryothamnion Seafortii (Turn.) Kütz.
Bryothamnion triangulare (Gmelin) Kütz Lisal. Progresso.
Dasya ramosissima Harv. Progresso
Spyridia aculeata J. Ag. Lisal. Celestun.
" filamentosa (Wulf.) Harv. Progresso.
Ceramium subtile J. Ag. Progresso. Lisal.
Ceramium tenuissimum Lyngb. Lisal
Jania Cubensis Mont. Lisal
Jania rubens (L.) Lamx Progresso. Lisal

II

Carthagena Algae. Coll. Nov. 1857.

Chlorophyceae

Halimeda Tuna Lamx

Rhodophyceae

Gelidium corneum var. caespitosum
= Gelidium pusillum (Stackh.) Le Jolis J. Ag.
Acrocystis tenera (J. Ag.) Schmitz.
Solieria chordalis (C. Ag.) J. Ag. non Harvey.

Gracilaria candata J. ag.
" cervicornis (Turn.) J. ag.
" compressa (C. ag.) Grev.
" confervoides (L.) Grev.
" cornea J. ag.
" Dominguensis Lond.
" multipartita (Clem.) J. ag.
" " var. polycarpa (Grev.) J. ag.
Hypnea cornuta J. ag.
" musciformis (Huds.) Lam. x
" pannosa J. ag.
" spinella J. ag.
Rhodymenia sp. an R. corallina (Bory) Kütz
Lomentaria ovalis (Huds.) Endl.
Nitophyllum. Fragment perhaps
N. laceratum (Gmelin) Grev.
Laurencia paniculata (C. ag.) Kütz.
" papillosa (Hork.) Grev.
" tuberculosa J. ag.
Chondria atropurpurea Harv.
Acanthophora Antillarum Mont. in
Kütz. Tab. Phyc. Probably not dif-
ferent from A. Thierii Lam. x
Polysiphonia Hirta J. ag.
Bryothamnion Seaforthii (Turn.) Kütz
" triangulare (Gmelin) Kütz.

A. Schott. Algae Cub. Carthagena Havana.

19

Rytiphloea n. sp. Harvey, near R. echinocephalis (Mont.) Endl.
Vidalia obtusiloba (C. Ag.) J. Ag.
Lyngbya filamentosa (Wulf.) Harv.
Ceramium nitens C. Ag.
Halymenia floresia (Clem.) J. Ag.
Cryptonemia crenulata J. Ag.
" luxurians (Mert.) J. Ag.
Dania Cubensis Mont.

III

Havana Algae. Coll. Nov. 1864.

Chlorophyceae

Halimeda Opuntia (L.) Lam. x

Rhodophyceae

Galaxaura marginata (Soland.) Lam. x
= Brachycladia marginata Schmitz.
Galaxaura rugosa (Soland.) Lam. x
Chaetomorpha setacea Harv.
Gracilaria cervicornis (Turn.) J. Ag.
" dentata J. Ag.
" multipartita (Clem.) J. Ag.
Laurencia cervicornis Harv.
" paniculata (C. Ag.) Kütz.
Borzottamnion triangulare (Gmelin) Kütz.
Dania Cubensis Mont.

IV

Indianola Algae. Coll. Jan & Feb. 1853

Rhodophyceae

Agardhiella tenera (J. Ag.) Schmitz
Gracilaria confervoides (L.) Grev.
" compressa (C. Ag.) Grev.
Digenea simplex (Wulf.) C. Ag.
Polysiphonia collabens (C. Ag.) Kütz.
" ferulacea Suhr.
" hirta J. Ag.
Dasya elegans (Mert.) J. Ag.
Rio Bravo.
Hypnea
Ceramium tenuissimum Lyngb.
Centroceras clavulatum. (C. Ag.) Mont.

V

Santa Barbara Algae. Coll. Oct. 1853

Rhodophyceae.

Erigastrina leptorhynchos J. Ag = G. omero-phylla var horrida Harv.
G. micro phylla Harv.
G. spinosa Kütz
G. volans. C. Ag.
Stenogramma interrupta (C. Ag.) Mont.

19

Callophyllis furcata Farlow
" laciniata (Huds.) Kütz.
" rhynocorpha Rupr.
" variegata (Bory) Kütz.
Gracilaria multipartita (Clem.) J. Ag.
Nemastoma divaricata (Turn.) Grev.
Rhodymenia coralliina (Bory) J. Ag.
Neurogloeum undulatum J. Ag.
Nitophyllum violaceum J. Ag.
" Rupr. atrum J. Ag.
Nitophyllum Darvillei (Bory) Grev.
Chondria sedifica Harv.
Polysiphonia urceolata (Lightf.) Grev.
" Baileyi (Harv.) J. Ag.
Dasya Feldmannae Farlow in Herb.
Ptilota filamentosa (Huds.) Harv.
Centroceras clavulatum (C. Ag.) Mont.
Microcladia Coulteri Harv.
" California Farlow
Amphiroa Orbigniana Decaisne
Corallina Chilensis Decaisne in Harv.
Manuscr.

Specimens from Miles Jaeger
Nov. 1386. Phaenogam
Scholt, 24 D 14. West Texas.
Head of the Limpia.
Baltadhospermum
near Dillenii
1385. Chara Norvemannii
Wahlberg
Yucatan Cramer.
Scholt. Puget Sound 33
Desmarestia viridis medra
Scholt. Puget Sound 32
Rhodomela floccosa
Farmer
1384. Yucatan. Cramer
Hypoctonium minor Leofertii
a phycoalling B. triangulare
Scholt. Carthagena 28.
Ectocarpus octosporus
Scholt 34. Boca de Rio Bravo.
Largoseum furcatum Kg.
Cramer 307. Lanfield Jones
34, N 35 Indianola Scholt
Caranium Endressiana

Lists and letters
on A. Schott's Algae
returned to Prof. Millspaugh
Nov. 29. 1898.

40113. Caulerpa Ashmeadii Harv.
40114. Codium tomentosum (Huds.) Stackh.
40117. Eucheuma isiforme (C.Ag.) J.Ag.
40118 & 40119. marked Laurencia gemmifera
These are both smooth forms of Eucheuma isiforme sometimes called Eucheuma nudum.
40120. Eucheuma isiforme.
× 40122. " " f. elongata.
40123. Laurencia obtusa (Huds.) Lam. x a large form.
40125. 40126. Hypnea musciformis (Wulf.) Lamx.
40156, 40157, 40158, Caulerpa cupressoides (Vahl) C.Ag.
40159. Bryothamnion triangulare. (Gm.) Kütz
40160. Eucheuma isiforme (C.Ag.) J.Ag. Great!
40161. " "
40205. Ulva Lactuca (L.) Le Jolis.
40207. Caulerpa prolifera (Forskäl) Lamx.
40208, 40209, 40210. Caulerpa paspaloides var. Wurdemannii Weber van Bosse (Bory) Harn.
Com. C. phyllophloston Murray in Trans. Linn. Soc 2nd Ser. III, 212, Pl. 53, f. 3-6. in which the pinnules are uniseriate. These are biseriate.
× 40121. Gracilaria compressa
×× 40124. Gracilaria confera J.Ag.

40211, 40212, 40213, 40223. all on one sheet but not all the same species 19

40211 & 40223 are Ceramia see 40215.

40212 is a Chondria (Chondriopsis J.Ag.), perhaps C. tenuissima J.Ag. but the specimen is too fragmentary to be determined with certainty. Chondria tenuissima (Good. & Wood.) C.Ag.

40213. Spyridia aculeata. J.Ag.

40214. Mixed. Hypnea musciformis. Laurencia obtusa & Ceramium see 40215.

40215. Ceramium same as 40211, 40216, 40223 & 40224, 40222, 40221, 40218, 40220, 40225. These which are marked ceramium subtile J.Ag. may be kept under that name but they come near Ceramium rostriolatum Harv.

40216. Ceramium = and Centroceras clavulatum (C.Ag.) Mont.
40219 Bad specimen. 40216

40220. Ceramium, see 40215
40224

40225. see 40215

40226. Marked Dictyota dichotoma. It is not characteristic of that species but the margin is spiny and seems to me to be Dictyota ciliata J.Ag.

40227. Laurencia obtusa (Huds.) Lam.

40228. Laurencia obtusa.

40229. Laurencia obtusa.

40230 " "

40231 " "

40232. Laurencia obtusa a slender form approaching L. implicata J.Ag.

40233. Imperfect fragments of some Gracilaria.

40245, 40246. marked Dictyota fasciola? This is not typical D. fasciola but rather Dictyota cervicornis Kg.

40247. Padina Durvillaei Bory

40248. Padina Pavonia (L.) Gaillon

40249. Padina Pavonia (apparently) Gaillon

40250. Sargassum filicudula (Ag.) Jolly.

40251. Caulerpa pinnata (L) Weber van Bosse var. Mexicana Weber van Bosse = C. Mexicana Lond.

This specimen is a marked one of the forms described by C. Agardh

252. Marked Caulerpa simplex mihi. Who is the "mihi" Harvey or Schott? The species was apparently never described under that name ~~as an interesting form which seems to be a marked form of Caulerpa cupressoides Schott~~

40253. Marked Cladophora flexuosa. I should think that this was the Cladophora Laetevirens Harv. mentioned by Harvey in his list of Schott's plants.

40254 & 40255. The latter appears to be Bryopsis plumosa (Huds.) Ag. 40254 is not in condition to be named.

40256 = 40253. Cladophora laetevirens Harv.

40257. Bryopsis hypnoides Lamx?

40258. Marked Botrachospermum. This is not an alga but eggs of some animal.

40 260. Digenia simplex (Wulf.) C. Ag. IV
& Jania rubens (L.) Lam. 17

40 295. Bryothamnion Seaforthii (Turn.) x Kütz.
40 296 Chondria atropurpurea Harv. (Turn.)
40 297. Spyridia aculeata J. Ag.
40 298. Bryothamnion triangulare (Gmel.) Kütz. slender form and approaching B. Seaforthii.
40 299. ditto. (Turn.) Kütz.
40 300. ditto.
40 301. Bryothamnion Seaforthii. (Turn.) ! Kütz.
40 302 & 40 303 " " !
40 304. Acanthophora Thierii Lamx !
40 305. Mixed. Jania rubens (L.) Lam. x and Jania Corallina Mont.
40 306. Jania rubens (L.) Lam. x
40 319. Euchemma isiforme (C. Ag.) J. Ag.
40 320. " "
40 322. " "
40 323 " "
40 324 " "
40 325. Gracilaria multipartita (Clem.) ! J. Ag.
40 326 } = Gracilaria compressa (C. Ag.) ! Langs & Grev.
40 327 }
40 328. Marked Gracilaria compressa. It does not seem to me to be that species but to be Gracilaria cervicornis (Turn.) J. Ag.

40329. a Gracilaria but the speci-
men too poor to be named. 19

40330, 40331, 40333. Gracilaria compressa (C. Ag.) Grev.

40335, 40336. Probably both Hypnea
muciformis but the specimens
are imperfect. (Wulf.) Lam.x

40337. Gracilaria compressa (C. Ag.)

40339, 40440, Gracilaria cervicornis Grev. (Turn.) J. Ag.

40342. Euchema acanthocladum (Harv.) J. Ag.

40343. Mixed. Hypnea muciformis,
Ceramium & Halimeda Tuna Lam.x

40344. Gracilaria tenuissimum Lyngb.
covered with incrustation

40575, Penicillus capitatus Lamarck.

40576 & 40577. Halimeda Tuna Lam.x

40578. Not Halimeda Opuntia but
H. Tuna. Lam.x

40579 Spyridia filamentosa (Wulf.) Harv.

40580. As marked on specimen this
seems to be a form of Dasya
ramosissima Harv.

40582. Cladophora fascicularis (mert.) Kütz. (C. Ag.)

40583. Liphonodadus membranaceus (Kütz.) Borne.

40584. Halyseris delicatula (Lamx) J. Ag.

40681. Ascoltamnion intricatum Kütz.

40687. Borgoltamnion triangulare (Gmelin) Kütz.

40688. Laliera chordalis (C. Ag.) J. Ag.
40689. Laurencia obtusa (Huds.) Lamx. var
40690. Enteromorpha. Not in good condition and species cannot be named
40891. Halimeda Tuna Lam.x
40892. Acanthophora antillarum Mont in Kütz. Tab. Phyc.
40893. Marked Cryptonemia luxurians? Not a Cryptonemia but like 40953 must be referred to Rhodymenia near R. palmetta (Esper) J. Ag.
40894. Ceramium nitens C. Ag.
40895. Gelidium corneum var. caespitosum J. Ag. = G. pusillum (Stackh.) Le Jolis
40896. Rytiphlaea sp? near R. Schiffneri (Mont.) Edelh
40897, 40898. Laurencia paniculata (C. Ag.) Kütz. It is often very difficult to distinguish L. paniculata from L. tuberculosa J. Ag. I should be inclined to call these specimens L. tuberculosa
40899. Laurencia papillosa (Forsk.) J. Ag.
40900. Vidalia obtusiloba (C. Ag.) J. Ag.
40901, 40902. It is not clear whether this was originally Ceramium flat. I think the former and I should call 40902, G. cornea J. Ag. and call 40901. G. cornea?
40903 (I) Rytiphlaea = 40896 II is a Polysiphonia nuda J. Ag. nuda Kütz

40904. Gracilaria candata J. Ag. slender form
40905 Gracilaria cornea J. Ag. 19
40906. Marked Gracilaria divaricata. There is a small fragment of an imperfect Gracilaria but the main specimen is Cryptonemia luxurians (Mont.) J. Ag.
40907. Gracilaria cornea J. Ag.
40908. Laurencia pannicellata (C. Ag.) Kütz.
40909. Gracilaria candata J. Ag.
40910. Gracilaria cervicornis (Turn.) J. Ag.
40911, 40912 Marked Gracilaria Domingensis Lond. These correspond to the figure of that species in Kützing Tab. Phyc. I am inclined to believe, however that they are not specifically distinct from G. cervicornis.
40913 I is the same as 40921
40913 II the same as 40915 and 40922. 2 J. are 40913 (I) & (II) the same species! I is fertile, the others are not. Grac. ramiferma is now put in G. dentata J. Ag. But if your specimens are G. dentata, they are an unusual form. I should be inclined to call 40913 (II) / 40915 & 40922 Gracilaria multipartita (Clem.) J. Ag. var. polycarpa (Grev.) J. Ag. 40913 (I) & 40921 I should call Gracilaria candata J. Ag.
40914. Gracilaria cornea J. Ag.
40915. see 40913 (II)
40916. Gracilaria cornea, J. Ag.
40917, 40918. Gracilaria multipartita (Clem.) J. Ag.
40919. 40920. Gracilaria candata, J. Ag.
40921. see 40913 (I)
40922. see 40913 (II)

40923, 40924, Gracilaria cornea J. Ag. VII*

40925. Gania cubensis Mont. & Cryptonemia crenulata J. Ag. 19

40926. Spyridia filamentosa (Wulf.) Harv.

40927. Sterile but frond seems to be that of Rhabdonia tenera J. Ag. = Agardhiella tenera Schmitz.

40928. Halymenia Floresia (Clem.) C. Ag.

40929. Small bit of Laurencia. In the envelope is Hypnea musciformis (Huds.) Lam.?

40930. Hypnea cornuta J. Ag.?

40931. Hypnea cornuta J. Ag.!

40932. Hypnea spinella J. Ag.?

40933. ~~Forma of cal (Hts) Gracilaria ferox rather than~~ G. cervicornis (Turn.) J. Ag. a Barbados specimen of Dr Ford

40934. Gracilaria confervoides (L.) Grev. 40935. Gracilaria candata J.Ag. VIII

40936. Solieria chordalis (C.Ag.) J.Ag. 19

40937. Hypnea pannosa J.Ag.

40938. Too poor to name. a mixture of Hypnea and Gracilaria

40939. Gracilaria compressa (C.Ag.) Grev.

40940. Marked Alsidium Schottii no 2. This must be an error. the specimen is not an Alsidium but a Gracilaria, G. cervicornis (Turn.) J.Ag.

40941. A Nitophyllum too fragmentary to name. Perhaps N. laceratum (Gmel.) J.Ag.

40942. Hypnea. a mere fragment. Grev.

40943. ditto.

40944. Bryothamnion Seaforthii (Turn.) Kütz.

40945. Bryothamnion triangulare (Gmelin) Kütz

40946 " "

40947 Gracilaria. Perhaps young G. compressa

40948. Cryptonemia crenulata. J.Ag.

40949. Gracilaria multipartita marked with animals

40950. Probably Chondria atropurpurea Harv.

40951. Hypnea musciformis (Wulf.) Lamx

40952. Lomentaria ovalis (Huds.) Endl.

40953. ~~Gracilaria dicho~~tomo-flabellata Marked Rhodymenia. Sterile and uncertain. Resemble Rhodymenia Corallina (Bory) but that should not be West Indian. The specie must remain doubtful until fruit be seen

41503. Jania rubens mont ou Bryothamnion Seafortii 19

41504. Bryothamnion triangulare (Turn.) Kütz

41505. Gracilaria cervicornis (Turn.) J. Ag. (Mert.) Kütz

41506. Gracilaria multipartita (Clem.) J. Ag.

41507. " "

41508. ~~This is too small for me to tell whether it is Gracilaria cervicornis or G. damaecornis~~ Gracilaria dentata J. Ag.

41509. Laurencia paniculata (C. Ag.) Kütz.

41510. Nemalionia retacea Harv.

41511. Laurencia cervicornis. Harv.

41512. Halimeda Opuntia. (L.) Lam.

41513. ~~Bachylodes Galaxaura~~ marginata (Poland) ~~Lam.~~ Schmitz

41514. Galaxaura rugosa. (Poland) Lamx

42600. 42601. Digenea simplex (Wulf.) C. Ag.

42602. ~~Rhabdonia~~ Agardhiella tenera on which is growing Polysiphonia collabens (C. Ag.) Kütz

42603. Ceramium tenuissimum Lyngb.

42604. Centroceras clavulatum (C. Ag.) Mont.

42605. Ceramium ~~tenuissimum~~. Lyngb.

42606. Polysiphonia ~~brevarticulata~~ nitida J. Ag.

42607. " ferulacea Suhr

42608. Not Dasya ramosissima but Dasya elegans (Mart.) C. Ag.

42609. Gracilaria conferva ides (L.) Grev.

42610 Agardhiella

42611. ~~Rhabdonia~~ tenera (J. Ag.) Schmitz

42612. Gracilaria confervoides (L.) Grev. X
42613. Sterile but round has structure of Agardiella and is probably a very robust form of A. tenera (J. Ag.) Schmitz

42614, 42615. Gracilaria confervoides X
42616. Gracilaria compressa (C. Ag.) Grev. (2)
42617. As the note on label says, this might be either G. compressa or G. confervoides. It is not characteristic.

42618. 42619. 42620. Ceramium tenuissimum
42621. Spyridia covered with parasites Lyngbi
42622. a fragment only, probably Laurencia paniculata
42623. Poor specimen of ~~Rhodomela~~ Agardiella tenera J. Ag. Schmitz
42624. Hypnea musciformis (Wulf.) Lam.
42625. Not a Chloroplerma but a Rhodoplerma. Fragment of ~~poor~~ a ~~Rhodomela~~ Rhodomela, sterile

44988. Spyridia filamentosa, (Wulf.) Harv.
44989. Neurocolpesium Andersonianum J. Ag.
44990. Gigartina leptorhynchos J. Ag.
= Gig. microphylla var. horrida Farlow
44991. Gracilaria multipartita (Clem.) J. Ag.
44992. ~~Poor specimen of some form~~ Harv.
44993. Polysiphonia urceolata (Lightf.) Grev. poor specimen
44994. Centroceras clavulatum (C. Ag.) Mont. and fragment of a Callophyllis
44995. Polysiphonia Baileyi (Harv.) J. Ag.
44996. Heterosiphonia interrupta (C. Ag.) Mont.

44997. Hypnea divaricata (Turn.) Grev. XI

44998. Gigartina spinosa Kütz. In the envelope is Gigartina microphylla Harv.

44999 (1) Microcladia Coulteri Harv. 19
(2) Microcladia Californica Harlow.

45000 Gigartina spinosa Kütz. In the envelope is Microcladia Coulteri Harv.

45001, 45002. Fragments of Hypnea too imperfect to name

45003. Nitophyllum violaceum J. Ag. on Lomentaria ovalis (Huds.) Endl. var. Coulteri Harv.

45004. Callophyllis variegata (Bory) J. Ag.

45005. Fragment of Callophyllis

45006. This is an inextricable mixture in which I see bits of Nitophyllum Ruprechtianum and Nitophyllum violaceum.

45007. In the envelope is Neurogloeum Andersonianum J. Ag. On the sheet is Nitophyllum violaceum. J. Ag.

45008. Callophyllis variegata (Bory) Kütz J. Ag.

45009. Rhodymenia Corallina (Bory) J. Ag.

45010. Callophyllis furcata Harlow

45011. Nitophyllum Ruprechtianum J. Ag.

45012. Nitophyllum, a fragment only.

evaloba. Sterarum

45013. Nitophyllum Darvillae (Sow.) Grev. but close to
45014. Callophyllis rhycocarpa Rupr. in envelope of Sterarum. valentiae 19

45015, 45016. 3 imperfect specimens of Callophyllis

45017. This is what is called Callophyllis laciniata (Huds.) Kütz. of the Californian coast. It is doubtful whether it is really the same as the European species of that name and it may, after all, only a variety of C. variegata

45018. Nitophyllum violaceum J. Ag.

45019. Chondria nidifica Harv.!

45020. Corallina Chilensis Decaisne in Harv. Nereis Austr.

45021. This is not a Grateloupia certainly. It may perhaps be a Gymnogongrus but the specimen is sterile and imperfect.

45022. Not Grateloupia Gibbesii but Gigartina volans C. Ag.

45023. An Amphiroa much broken up. Probably Amphiroa Arbuscula Decaisne

45024. Not a Pterocladia but Polysiphonia Baileyi (Harv.) J. Ag.

45025. Is there not a mistake in the locality? This certainly is not Dasya plumosa. It may be Dasya Dasya pacifica
I have called 30 previous Dasya Hawaiae Harlow in Herb.

45026. Fragment of Nitophyllum Ruprechtianum J. Ag.

Y. 209. Co (40113) Caulerpa arbuscula Lisal 1865

Y. 210. (40114) Codium tomentosum! Lisal. 1864

Y. (40117) 221, Euch. isiforme nobed !

Y. 222. 222a (40118. 40119) marked Laurencia jeunifera. is nobed Eucheuma isiforme.

Y. 223. (40120) " " ! Lisal. 1864

Y. 225 (40122) " " elongata — Lisal 1864

Y. 230 (40123) Progressus Laurencia obtusa ? pars

Y. 233. 233a (40125) (40126) Hypnea musciformis Lisal.

Y. 277. 277a. 277b. (40156, 40157, 40158)
Caulerpa cupressoides

Y. 279. (40160). Euchaema isiforme! fruct. Provenzo. 1865

Y. 281 (40161) " " " " 1865

Y. 343 (40205) Ulva Lactuca L. Progress.

Y. 344a. (40207) Caulerpa prolifera! Thal 1865.

Y. 345 & 345B (40210, 40208
Caulerpa hoschalcides. Progress. Thal 1865.

Y. 345a (40209) Caulerpa plumaphlaeoides
mihi.

40210 = 40208

Y. ~~402~~ 346. (40215, 40214. 40223
(40211) 40216 40224 } = Ceramium
40225 rubrum
but has + shoots of fastigiatum.
Cf. C. flabelligerum

40214
40215
40216 = 40211

Y. 347 (40226) marked Dictyota dichotoma. Not characteristic and a little young approaching D. ciliata.

Y. 348a (40227) Laurencia obtusa? Progreso.

Y. 348.b (40228) Laurencia obtusa? probably that species. Progreso. 1865

Y. 348c. (40229) Laurencia paniculata! Progreso. 1865.

Y. 348D 348E. (40230, 40231 Laurencia paniculata. probably. Progreso. 1865 " obtusa? " "

Y. 348F. Laurencia obtusa. slender form (40232) approaching L. implicata. Isla 1865

Y. 348a (40233) Gracilaria fragments.

Y. 365, 365a (40245, 40246) Lisal. Dactylota cervicornis Kg. ?

Y. 366b & 366c (40246 & 40247) Padina japonica Prostrata Setchell

Y. 367 (40250) Sargassum affine mihi = S. subpendula (C. Ag.) J. Ag.

Y. 368 (40251) Caulerpa crassifolia Ag. Lisa. var. Mexicana J. Ag. = C. mexicana Lmk.

Y. (40252) B69, Caulerpa simplex (of Mex.) same as C. cupressoides.

Y. 370 (40253) Gloiosiphonia mihi Harmosa J. laetevirens; Seems to be " 372 (40256) laetevirens as indicated by Harvey

Y. 371. 371a (40254, 40255) Mihi Harmosa Mimosa. Perhaps right

40256 as Y 253

Y. 373 (40257) Small Bryopsis near like B. hypnoides

Y. 375 (40258) Mihi Protoalsidium Calcatum 1865. Animal egg?

Y. 378. (40260) Udotea simplex = Penicillus rubens.

40295 ex 40301

20

Y(40297) 420. Hybridia occultata

Y. 422[b](40303) 422(40301) 418(40295)
Progresso Insect.
Academia Leopoldina

Y. 423(40304) acanthophora thierii. Leipzig 1865.

Y. 424.(40305) 424[a](40306) Jamia rubens Insect
+ Progresso.

Y. 437 (40318) Cette is forme [illegible]

Y. 439 (40320) " " ! [illegible] 65

Y. (40322) 441. Enchecrune is [illegible]

Y. 441a. (40323) " " ! "

Y. 441b. (40324) " " ! Jsan [illegible]

Y. 445. (40325) marked Y. Multipotella.
May be Chael (be [illegible] perfect and
must not be Y. entu[illegible])

Y. 446 (40326) Gracil is compress marked
" 468 (40344) ? pachystoma
Gracilaria pl[illegible].

Y. 446a (40327) [illegible]

Y. 447 (40328) Celestan [illegible] elevata
compressa Scalt. E[illegible]

" 447a (40329) too fo[illegible] re[illegible]

Y. 447b (40330) [illegible]

Y. (40331) 447c. Gracilaria [illegible]
[illegible] well form St.

4.(40333) 449. Progresso. Graciliaria. Pour,

4. 453 (40335) Hyalinea. pour progresso

4. 454 (40336) Hyalinea anisofurcata Isaac,

4. 454a. (40337) Graciliaria pasmens. Isaac. 65
Hobabs G. compressa

4

4. 456 (40339) 456a (40440) Isaac Graciliaria cervicornis
corrupae & divaricata.

4. 464 (40342) Euchaemina acanthoclados
nel affa.

40344 ecc 40326

Y. 785 (40576) 785a. Halimeda Taxa

Y. 787 = 40576

Y. 786 (40578) Text-fig. Marked Halimeda opuntia but quite as much like H. tridens. Not in good condition

Y. 40579. (787) Hypnea filamentosa.

Y. 788 (40580) Marked Dasya ramosissima aff. Crouania Map. Cr. Not but not certain. 1865

Y. 789. a = 40582 Cladophora fascicularis Text-fig. 65

Y. 791. (40584) Halimeris delicatula. Text-fig.

Y. 348 (40689) Porphyra Laureneia obtusa Text-fig.

4,881, ½ (40681) Ascothamnion intricatum. Celestun. 1865

20

40687 = Ascothamnion hirsutum

4. no number (40688). A. Tobieria. S. Cherdalis,

4. no number (40690) Fresh Water. Merida
Enterom. orifica. too poor. on clothwater?

Carth. 24 (40891) Halimeda tuna

Carthagena. (40892) marked Acanthophora Antillarum. Montagne Chat Species.

Cartagena (40893) marked Cryptonemia Acrocarpus seems to be Agaricia dichotoma-flabellata.

" 40953. " " " " - - - -

Carth. 451 (40894) Ceramium rubens

Carthagena (40895) Gelidium? Agardh

Carth. (40897. 40898) marked Laurencia papillosa seems rather L. tuberculosa

20

Carth. 50 (40899) Laurencia papillosa

Carthagena. (40900) Rhytiphlaea obtusiloba.

40902 to 40905

Carthagena. (40904) All sana & Gracilaria
" (40920 praeter G. caudata) 26 More like caudata
(40909) Have the others but very doubtful.

Carthagena. 40907 marked G. dura
" 40914 " " " caudata
" 40924 " " " dura
" 40916 " " " caudata
" 40923 " " " "
" 40905 " " " caudata
" 40902. Seem all like sana and often to be G. cornea

Cartagena. 40906. marked Gracilaria divaricata & Cryptolemia luxuriens.

40902 ace 40905

Carthag. (40908) Lemanea fluviatilis but near L. catenulata

40907 ace 40904

40914 ace 40905
40916 " "

Carthagena. (40921 Q. mexicana Q. cauliformis)
" (40935 " Q. dura) all seem to be
" (40919) the same and not dura
or cauliformis but
rather Q. Poiteri.

20

40921 to 40919
40
40929 to 40905
40924 " "

Cartagena (40925) Quercus Cubensis ?
Cartagena (40926) Thyrsidium filamentosum
perhaps but poor specimen.

Cartagena (40927) Rhabdocline Quercus. Has
Microsorus structure of this.
Cartagena (40928) Polymeridium Quercus
Carth. (40929) Lauracinia parasitica - poor.

Carth. 12. (40917) 18 (40918) Eriocaulon multiflorum

Cartagena (40931) Myrica cornuta
" (40930) " cauliformis

Carthagena (40933) Q. cerviconnis &
valtar Q. ferox

Carthagena. 21. (40934) Gracil. corfewicles.
40935 - ad 40919
Cartha. (40936) Solenia chordata.

Cartagena (40938) marked Chondria
dasyphylla is Gracilaria
robusta, Q. compressa ?.

Cartha. (40942) Hypnea very poor
Cartha. (40943) Hypnea very poor
Cartha-gena 3. 40944. Absolutum Leafforticus.

Carthaginem (40945) (40946)
421 (40988)
Y. (40688) (no number. Merida) 421a 421b. 278 (40159)
(40988) (40989)
Cuba (41504)
all Abiderminstria angulata
Gudiomota 42617. Encelia cantabrica.

Carthaginem (40948) Chrysanthemum coronarium
Dlg

(40950) no locality. Marrubium Chondria?
may be Chond. atropurpurea.
Carthe (40951) Hyssopus officinalis.
Carthe. (40952) Marrubium Elbrysipetum ramosissimum
is Lomentaria ovalis.
40955. see 40893

Havana 964 (2647?) 41503 Jamia Cubensis or
Brya Ebenus. Leaflets
Havana (41504) Bryotr. triangulare

20

(41505)

Havana (41506) Eroci Carica annulosa Fruits

Havana (41507) Crocia multifoetus.

Havana (41508) Eroci Cerei cerviconus
vel damascenus.

Havana. (41509) Zamia pumicalis

Cuba (41510). Mamed Felicium & acens
to be Wardermannia Phaseo Havan

Havana. (41511) Laurencia cerviconus.

Habana. (41512) Halimeda Opuntia & Tuna.

Havana (41513) Mamed Hymenaea
fimbriata & Polyscaura marginata

" (40514) Polyscaura rugosa.

Gracilaria {42600} Digenea simplex
{42601}

21

Gracilaria (42603. 42605, 42618, 42619, 42620)
Crassissima tenuissima

Gracilaria (42604) Cartoseira Kenalaia
varia.

42605 see 42603

42601

42602

Gracilaria (42608) Marked Dasya ramosissima
rather D. elegans.

Gracilaria (42609)
(42612) Gracilaria confervoides
(42614)
(42615)
(42610)

42611.

42612 see 42609

Gulf of Mexico. 42613. Rhodymenia

42614. 42615 see 42609

Gulf of Mexico (42616) Gracilaria compressa

(42618) Indianola see (42603)
(42619) " " (")
(42620) " " (")

Rio Bravo, (42621) Hydrida covered with parasites

Rio Grava. (42622) Laurencia pinnatifida ? Var

Gulf of Mexico (42623) Rhodymenia

Indianola (42624) worked Laurencia decipiens ? Var
to Hypnea musciformis

Gulf Mexico. 42625. Fragment of Rhodomela

St. Barbara 44988. Spyridia filamentosa.
" " 44992. Grociana corfensoides?

(44989) Santa Barbara. Neurofloreum anderssonianum.

Santa Barbara (44990) Erythrea Cystoclonioides.
= Eig. Microphylla var. norvegica

Santa Barbara (44991) marina Erythrea
Mamillosa & Iocladia
multipartita

St. Barbara. (44992) see 44988. 20

St. Barbara. (44993) Polysiphonia urceolata.

St. Barbara 44994. Centroceras clavulatum
& Callophyllis fragments.

St. Barbara. (44995) Polysiphonia Baileyi.

Santa Barbara. (44999) One Microcladia
Coulteri & one M. Californica.
" " (44998) Marked Eig. Microphylla but
may be Eig. Spinosa.
" " (44997) Hypnea (divaricata?)
" " (44996) Sterrocrania interrupta. Hara.

St. Barbara (45000) Erythrea spinosa
& Microcladia Californica (in envelope)

Ste Barbara 45001 Hypnea fragments 20

Ste Barbara 45002 Hypnea fragments.

Ste. Barbara. (45003) Gracilaria multipartita & Nitophyllum violaceum

Ste Barbara (45004) Callophyllis variegata

Ste Barbara (45005) Callophyllis fragments.

Ste. Barbara (45006) Nitophyllum Bohrechii, Mixed in cover Holoseres Delphinata

Ste. Barbara (45007) Neurocaulon in cover & Nitophyllum ? ?

Ste Barbara (45008) Callo variegata var

Ste. Barbara (45009) Rhodymenia Corallina

Ste Barbara (45010) Callophyllis furcata,

" " (45011) Nitophyllum Bohrechtianum

Ste. Barbara (45012) Nitophyllum in part.

Ste. Barbara (45013) Nitophyllum.

Ste. Barbara (45014) Callophyllis rhynocarpa

Santa Barbara (45015) Calloplysllis intricata

Santa Barbara (45016) Calloplysllis fragmenta

Sta Barbara (45017) Calloplysllis Coccinicola

Sta Barbara (45018) Wahlia N. laccadiana
& N. violacea

" " 45019 Chondria nidifica.

Santa Barbara (45020) Corallina officinalis

" " (45023) Amphiroa Arbuscula

(45022) Sta Barbara. Gigartina volans.

(45023) see 45020

Santa Barbara (45024) Wahlia Plocaria thuroa
& Rhodomela flaccida

Sta. Barbara (45026) Nit. Rupprechtiana fragment.